



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	Customer No. 37003
	)	
DONG et al.	)	
	)	
Application No: 10/670,615	)	Group Art Unit: 2878
	)	
Filing Date: September 25, 2003	)	Examiner: N/A
	)	
Title: DETERMINING PHASE TRANSITION PRESSURE OF	)	Docket N <sup>o</sup> : 60.1534
DOWNHOLE RETROGRADE CONDENSATE	)	

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Ruth A. Schreiber*  
Ruth A. Schreiber

*6-11-04*  
Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, 1.97 and 1.98, the Applicants wish to bring the reference materials listed in the attached Form PTO-1449 to the attention of the U. S. Patent and Trademark Office. Copies of the following references are provided for the Examiner's convenience. The remaining references listed can be found in the parent file, Serial No. 10/309,850, now published U.S. Application No. US2004/0000636 A1.

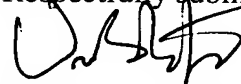
- Item No. 8 – U.S. Patent 6,274,865, granted 8/14/01 to Schroer et al.;
- Item No. 9 – U.S. Patent 6,350,986, granted 2/26/02 to Mullins et al.;
- Item No. 13 – WO02/066964A2 & A3, published 8/29/02 to Services Petroliers Schlumberger et al.; and
- Document No. 17 - **Wang, X. et al.** "Fluorescence Lifetime Studies of Crude Oils". *Applied Spectroscopy*, Vol. 48, No. 8, (1994), pp. 977-984.

No representation is made or intended that a complete and exhaustive prior art search has been made, or that no better references than those set forth below are available. Furthermore, this Statement does not constitute an admission that these references are properly citable against the present application as prior art.

It is respectfully requested that these references be considered by the Examiner and formally made of record in this case.

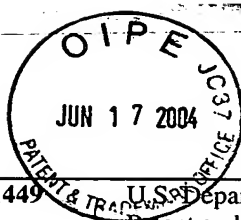
This information disclosure statement is being filed before receipt of the first office action. Therefore, applicants believe that no fees are due. However, in the event that the first office action has been mailed prior to the filing of this information disclosure statement, the Commissioner is authorized to charge Deposit Account No. 19-0615 in the amount of \$180.00, to cover the fee set forth in 37 CFR 1.17(p) for submission of an information disclosure statement under §1.197(c). The Commissioner is authorized to charge or credit any deficiency/overpayment to Deposit Account No. 19-0615. Two copies of this paper are attached.

Respectfully submitted,



William B. Batzer  
Registration N° 37,088

Schlumberger-Doll Research  
36 Old Quarry Road  
Ridgefield, Connecticut 06877-4108  
Phone: (203) 431-5505  
Fax: (203) 431-5640  
Date: June 11, 2004



<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	<b>ATTY. DOCKET NO:</b> 60.1534 <b>APPLICANT:</b> DONG et al. <b>FILING DATE:</b> September 25, 2003	<b>SERIAL NO.:</b> 10/670,615 <b>EXAMINER:</b>  <b>GROUP:</b> 2878
--	---	---

### U.S. PATENT DOCUMENTS

Exam Init.		Document Number	(m/d/y) Date	Name	Class	Sub-class	Filing date if appropriate
	1	3,780,575	12/12/73	Urbanosky	73	152	12/08/72
	2	3,859,851	01/14/75	Urbanosky	73	155	12/12/73
	3	4,860,581	08/29/89	Zimmerman et al.	73	155	09/23/88
	4	4,994,671	02/19/91	Safinya et al.	250	255	10/04/89
	5	5,167,149	12/01/92	Mullins et al.	73	155	08/28/90
	6	5,691,809	25/11/97	Tackett et al.	356	72	9/6/95
	7	5,939,717	08/17/99	Mullins	250	255	01/29/98
	8	6,274,865	8/14/01	Schroer et al.	250	269.1	2/23/99
	9	6,350,986	2/26/02	Mullins et al.	250	269.1	4/27/99

### FOREIGN PATENT DOCUMENTS

Exam Init.		Document Number	(d/m/y) Date	Country	Class	Sub-class	Translation	
							Yes	No
	10	0 461 321 A1	18/12/91	EPO	G01N	21/47		
	11	1 203 942 A1	08/05/02	EPO	G01N	21/35		
	12	WO 01/20322 A1	22/03/01	PCT	G01N	33/28		
	13	WO02/066964A2 & A3	290802	PCT	G01N	21/35		

### OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	14	Downare, T. D. et al. "Visible and Near-Infrared Fluorescence of Crude Oils". <i>Applied Spectroscopy</i> , Vol. 49, No. 6, (1995), pp. 754-764.
	15	Mullins, O. C. et al. "Downhole Determination of GOR on Single-Phase Fluids by Optical Spectroscopy". <i>SPWLA 42nd Annual Symposium</i> , Paper M, (2001), pp. 1-14.
	16	Ralston, C. Y. et al. "Quantum Yields of Crude Oils". <i>Applied Spectroscopy</i> , Vol. 50, No. 12, (1996), pp. 1563-1568.
	17	Wang, X. et al. "Fluorescence Lifetime Studies of Crude Oils". <i>Applied Spectroscopy</i> , Vol. 48, No. 8, (1994), pp. 977-984.

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant